Test Laboratory: BTL Inc. Date: 6/2/2017

T01 802.11b_Ch1_Bottom_0cm_Ant 0

DUT: Notebook;

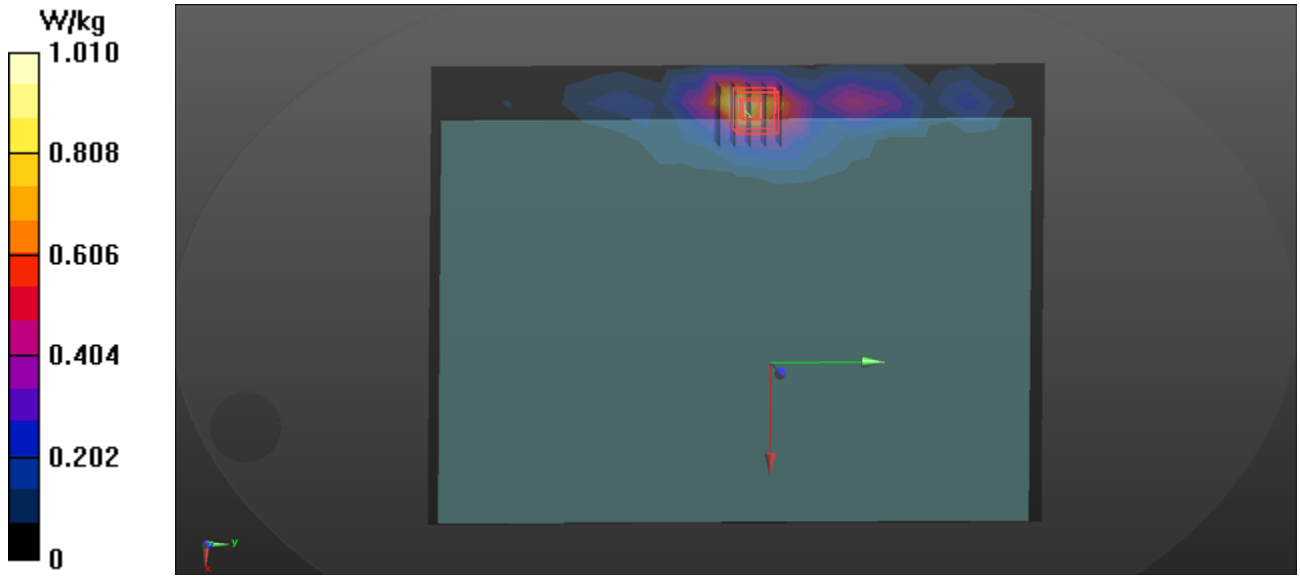
Communication System: UID 0, WiFi (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.919 S/m; ε_r = 53.201; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(7.56, 7.56, 7.56); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.01 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.403 W/kg
Maximum value of SAR (measured) = 1.33 W/kg



Test Laboratory: BTL Inc. Date: 6/2/2017

T06 802.11b_Ch6_Bottom_0cm_Ant 1

DUT: Notebook;

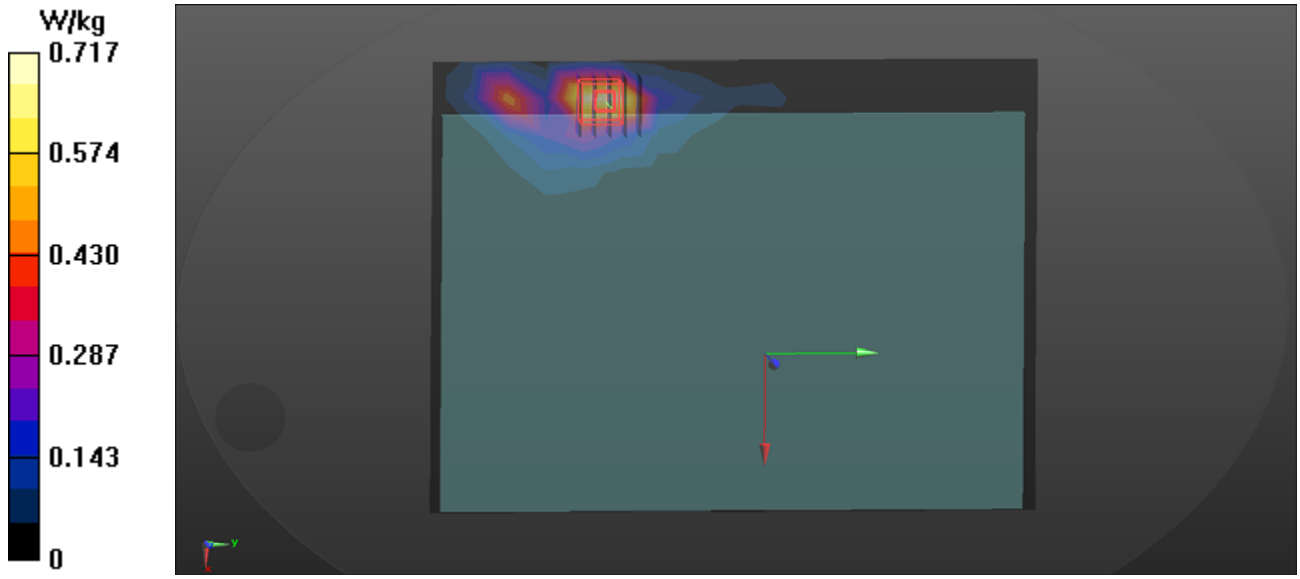
Communication System: UID 0, WiFi (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.956 S/m; ε_r = 53.206; ρ = 1000 kg/m^3
Ambient Temperature：24.2 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(7.56, 7.56, 7.56); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.717 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.341 W/kg
Maximum value of SAR (measured) = 1.20 W/kg



Test Laboratory: BTL Inc. Date: 6/2/2017

T39 802.11n_HT20_Ch6_Bottom_0cm_Ant 0+1

DUT: Notebook;

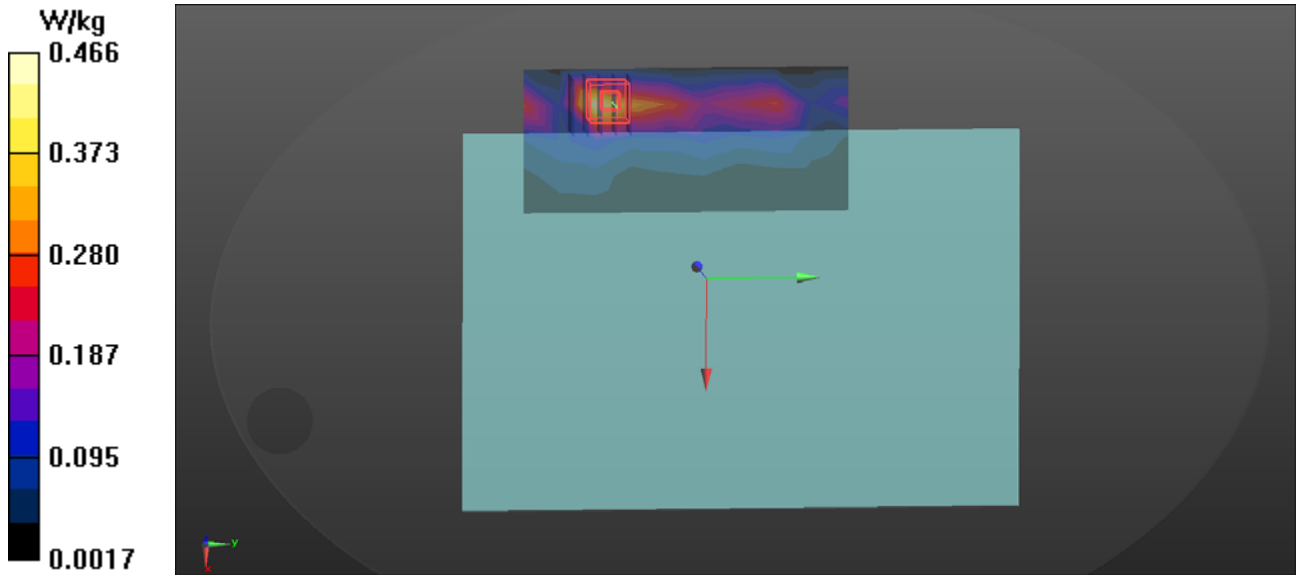
Communication System: UID 0, WiFi (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.956 S/m; ε_r = 53.206; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(7.56, 7.56, 7.56); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 31.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (10x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.466 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.750 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.804 W/kg
SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.569 W/kg



Test Laboratory: BTL Inc. Date: 5/31/2017

T02 802.11a_Ch40_Bottom_0cm_Ant 0

DUT: Notebook;

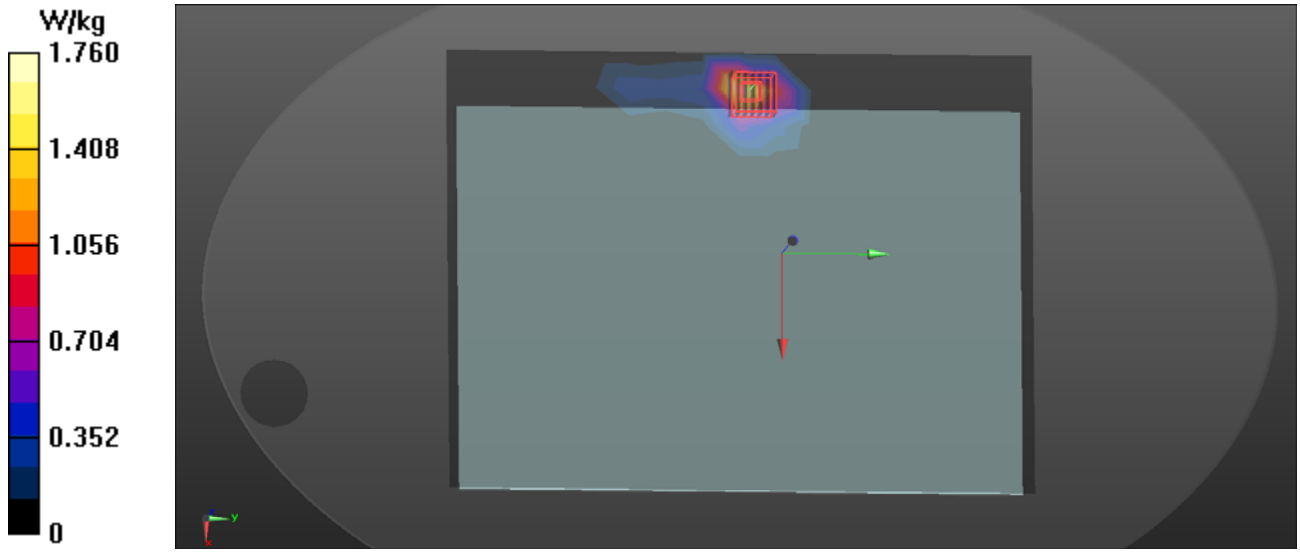
Communication System: UID 0, WiFi (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.34 S/m; ε_r = 47.596; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4.68, 4.68, 4.68); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.76 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 4.46 W/kg
SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.381 W/kg
Maximum value of SAR (measured) = 2.35 W/kg



Test Laboratory: BTL Inc. Date: 5/31/2017

T07 802.11a_Ch40_Bottom_0cm_Ant 1

DUT: Notebook;

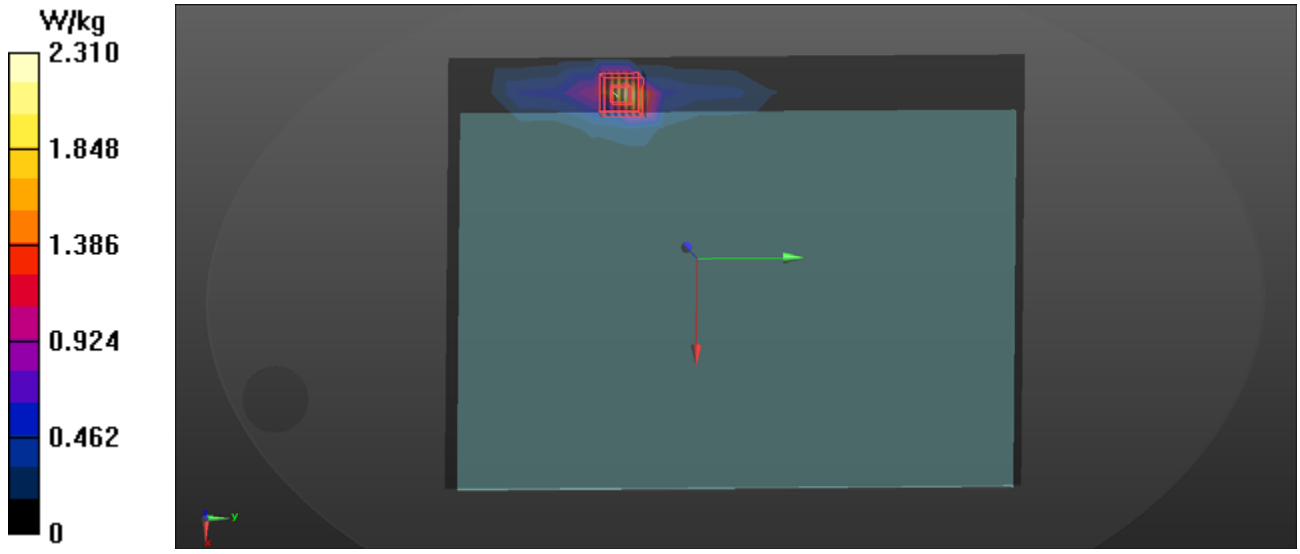
Communication System: UID 0, WiFi (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.34 S/m; ε_r = 47.596; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4.68, 4.68, 4.68); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.31 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.66 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.365 W/kg
Maximum value of SAR (measured) = 2.50 W/kg



Test Laboratory: BTL Inc. Date: 5/31/2017

T40 802.11n_HT20_Ch36_Bottom_0cm_Ant 0+1

DUT: Notebook;

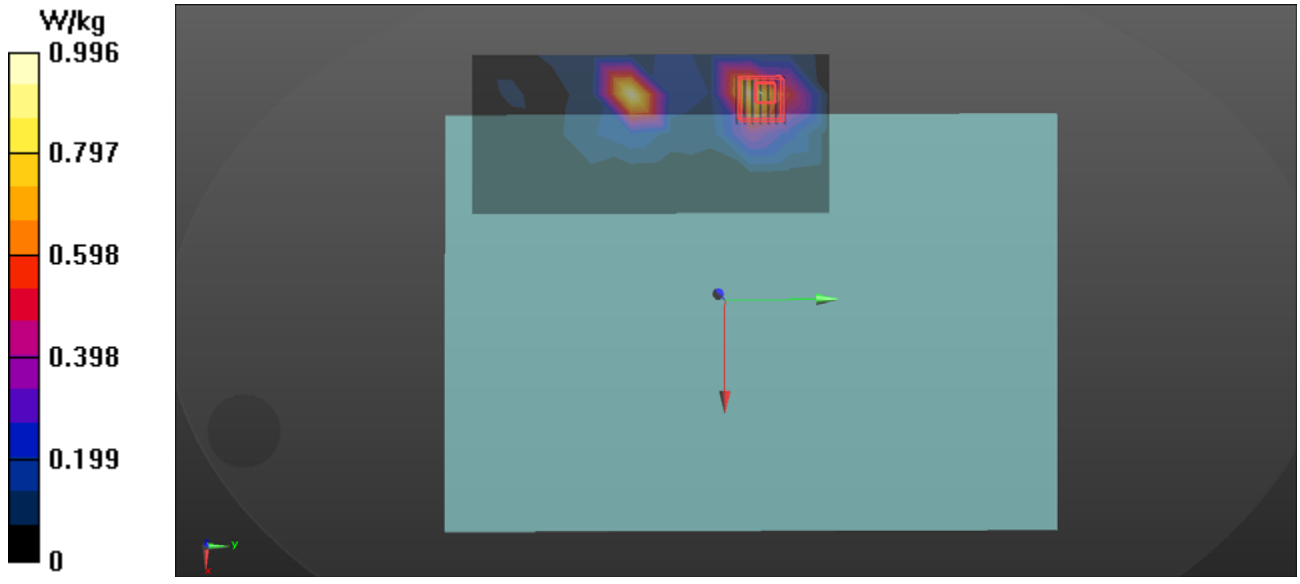
Communication System: UID 0, WiFi (0); Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5180 MHz; σ = 5.313 S/m; ε_r = 47.599; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4.68, 4.68, 4.68); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (10x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.996 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.787 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.243 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



Test Laboratory: BTL Inc. Date: 5/31/2017

T03 802.11a_Ch56_Bottom_0cm_Ant 0

DUT: Notebook;

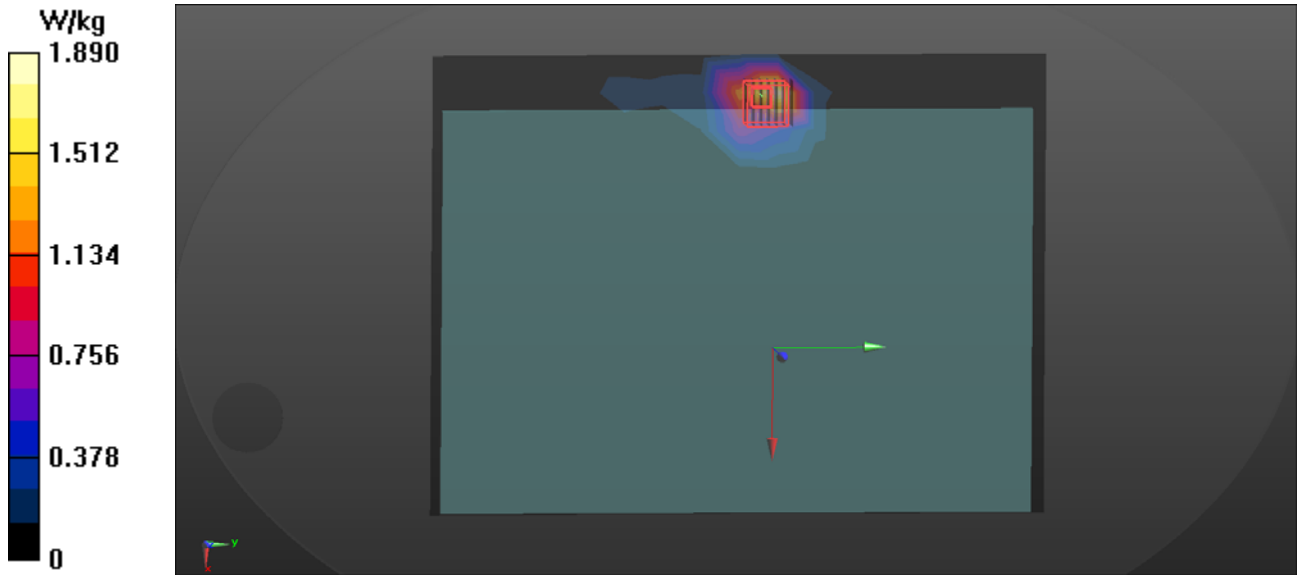
Communication System: UID 0, WiFi (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.446 S/m; ε_r = 47.389; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4.51, 4.51, 4.51); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.79 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 6.10 W/kg
SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.436 W/kg
Maximum value of SAR (measured) = 2.69 W/kg



Test Laboratory: BTL Inc. Date: 5/31/2017

T08 802.11a_Ch52_Bottom_0cm_Ant 1

DUT: Notebook;

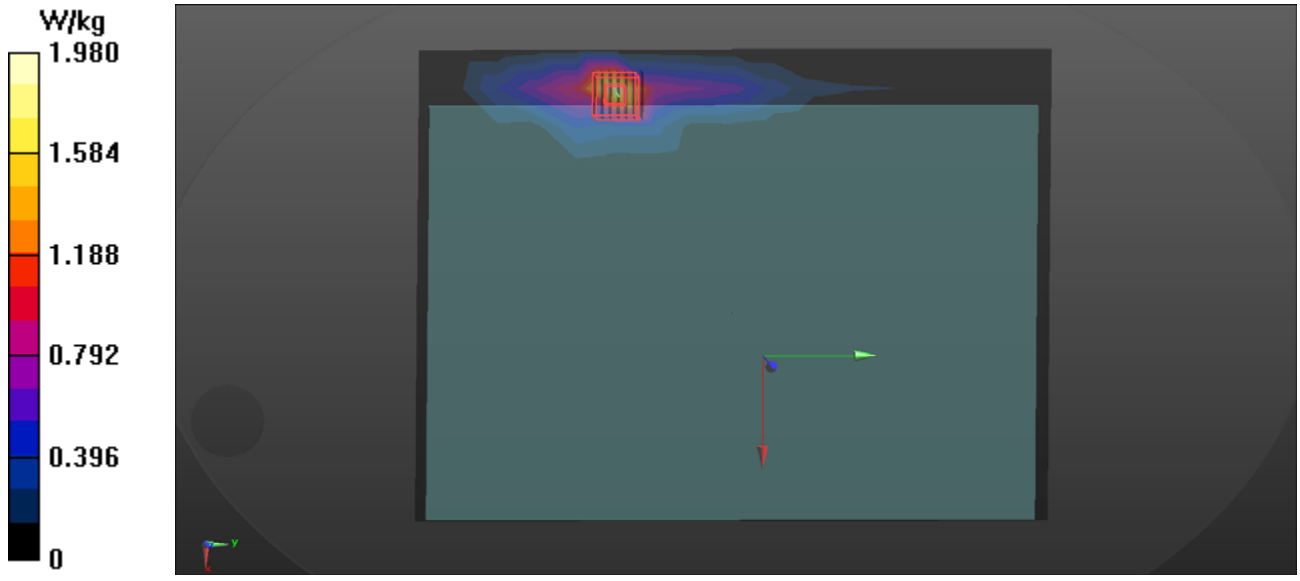
Communication System: UID 0, WiFi (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 5.41 S/m; ε_r = 47.449; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4.51, 4.51, 4.51); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.98 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.26 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.365 W/kg
Maximum value of SAR (measured) = 2.42 W/kg



Test Laboratory: BTL Inc. Date: 5/31/2017

T41 802.11n_HT20_Ch56_Bottom_0cm_Ant 0+1

DUT: Notebook;

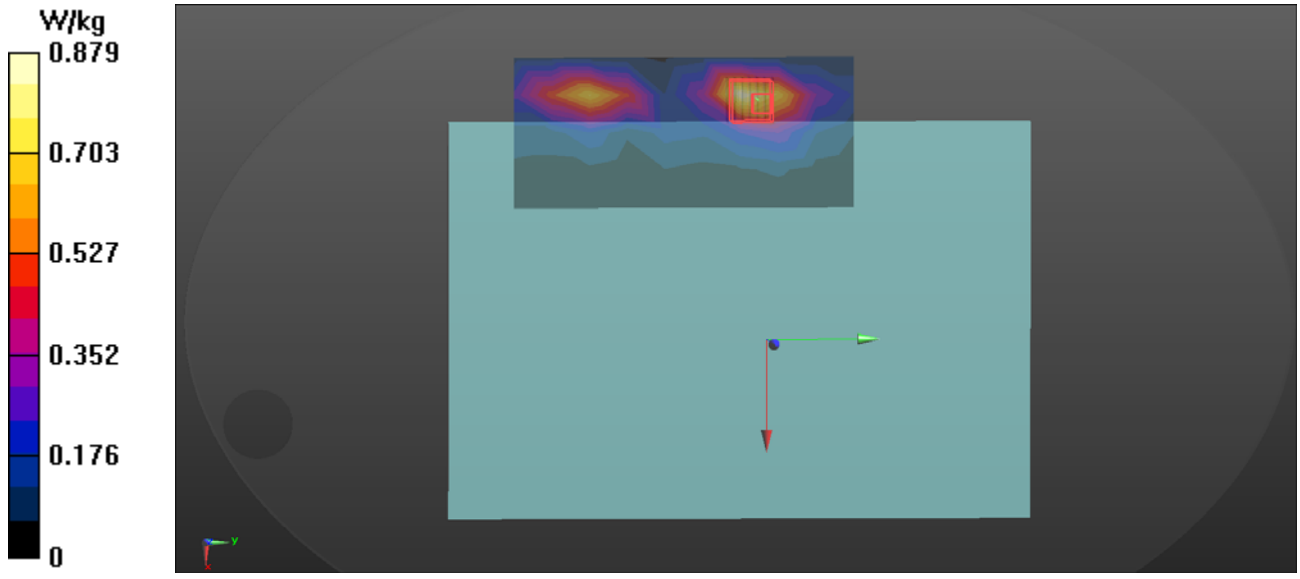
Communication System: UID 0, WiFi (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.446 S/m; ε_r = 47.389; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4.51, 4.51, 4.51); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (10x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.879 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.128 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 0.866 W/kg



Test Laboratory: BTL Inc. Date: 6/1/2017

T04 802.11a_Ch100_Bottom_0cm_Ant 0

DUT: Notebook;

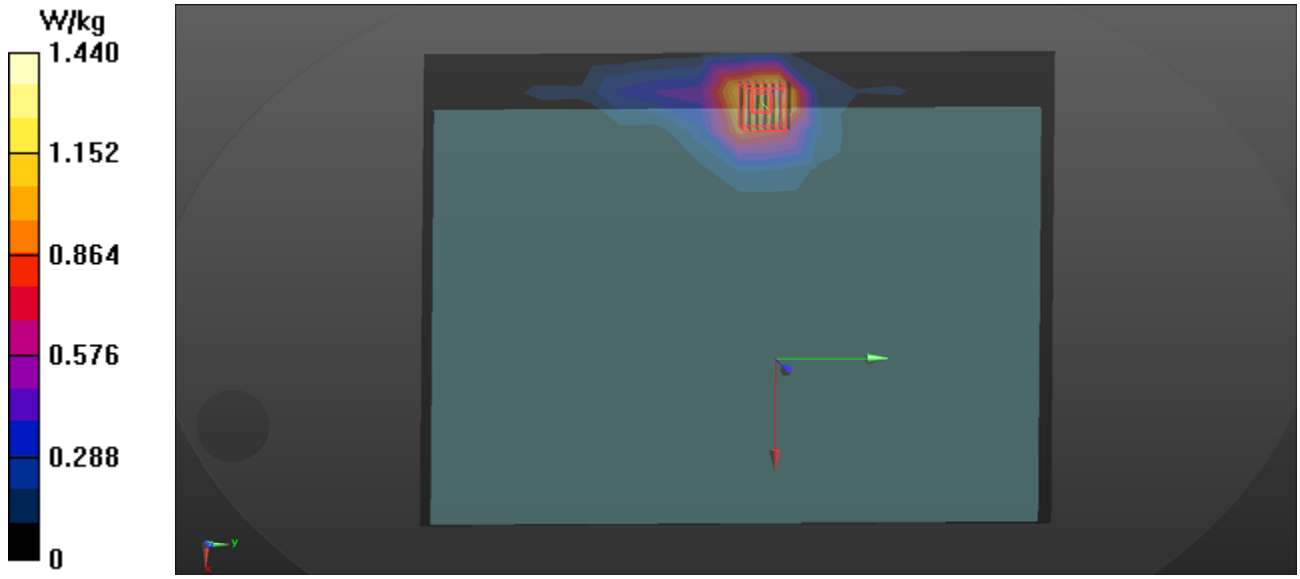
Communication System: UID 0, WiFi (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.753 S/m; ε_r = 46.944; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(3.79, 3.79, 3.79); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.44 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 4.62 W/kg
SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.482 W/kg
Maximum value of SAR (measured) = 2.60 W/kg



Test Laboratory: BTL Inc. Date: 6/1/2017

T28 802.11a_Ch136_Bottom_0cm_Ant 1

DUT: Notebook;

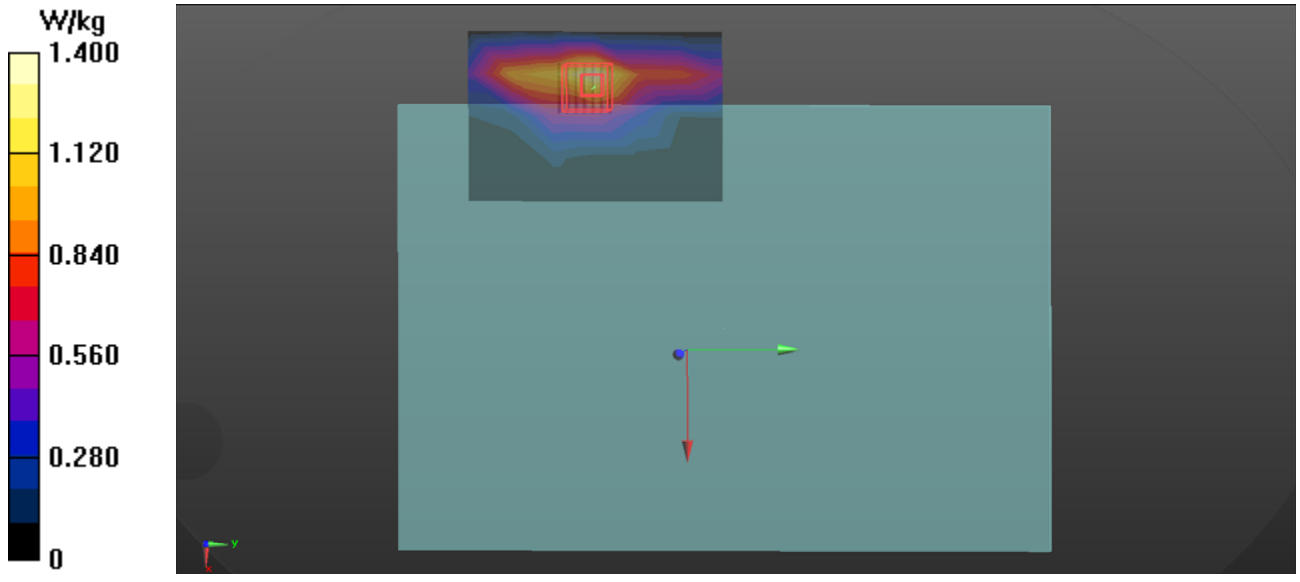
Communication System: UID 0, WiFi (0); Frequency: 5680 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5680 MHz; σ = 5.995 S/m; ε_r = 46.655; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(3.79, 3.79, 3.79); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (9x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.40 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.374 W/kg
Maximum value of SAR (measured) = 2.27 W/kg



Test Laboratory: BTL Inc. Date: 6/1/2017

T42 802.11n_HT20_Ch108_Bottom_0cm_Ant 0+1

DUT: Notebook;

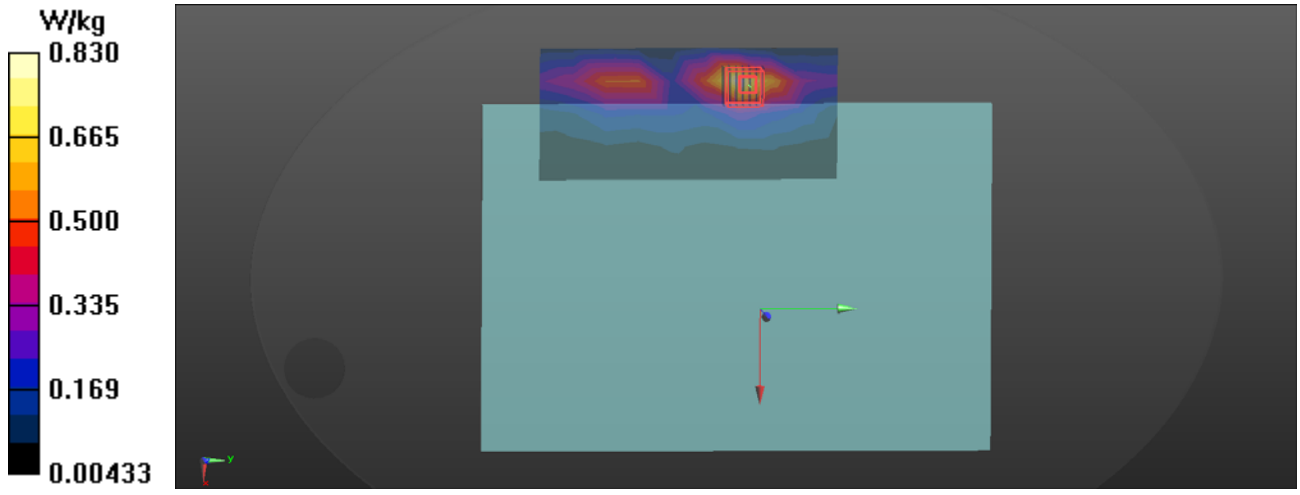
Communication System: UID 0, WiFi (0); Frequency: 5540 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5540 MHz; σ = 5.809 S/m; ε_r = 46.919; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(3.79, 3.79, 3.79); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (10x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.830 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 2.849 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 0.912 W/kg



Test Laboratory: BTL Inc. Date: 6/1/2017

T05 802.11a_Ch165_Bottom_0cm_Ant 0

DUT: Notebook;

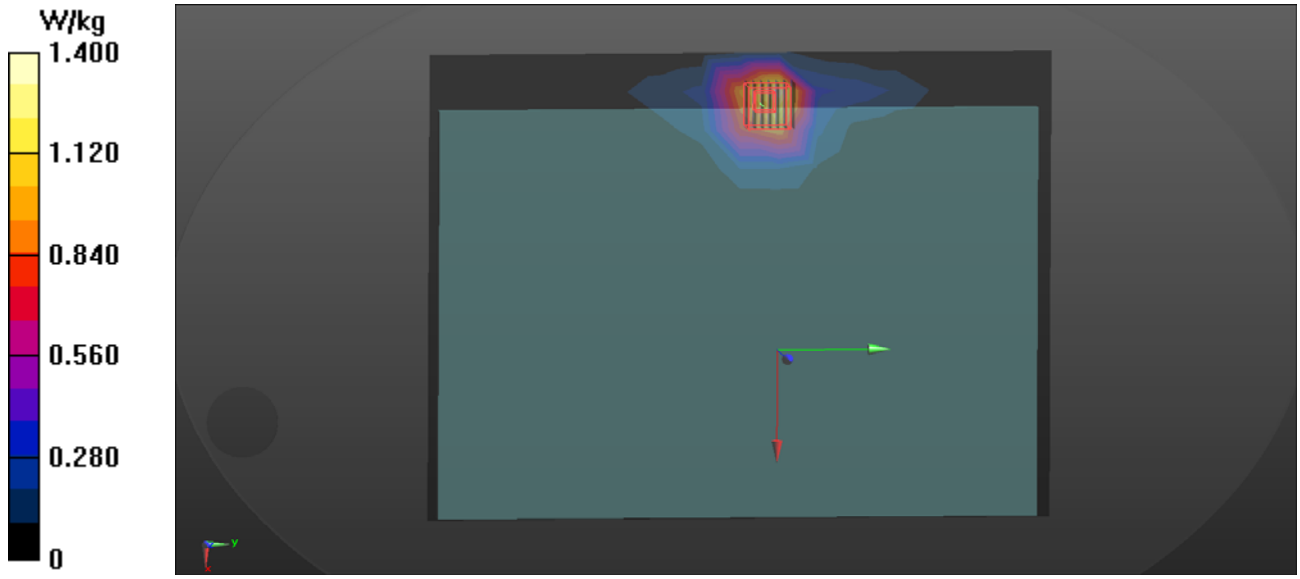
Communication System: UID 0, WiFi (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.208 S/m; ε_r = 46.303; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4, 4, 4); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.40 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.46 W/kg
SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.456 W/kg
Maximum value of SAR (measured) = 2.61 W/kg



Test Laboratory: BTL Inc. Date: 6/1/2017

T10 802.11a_Ch165_Bottom_0cm_Ant 1

DUT: Notebook;

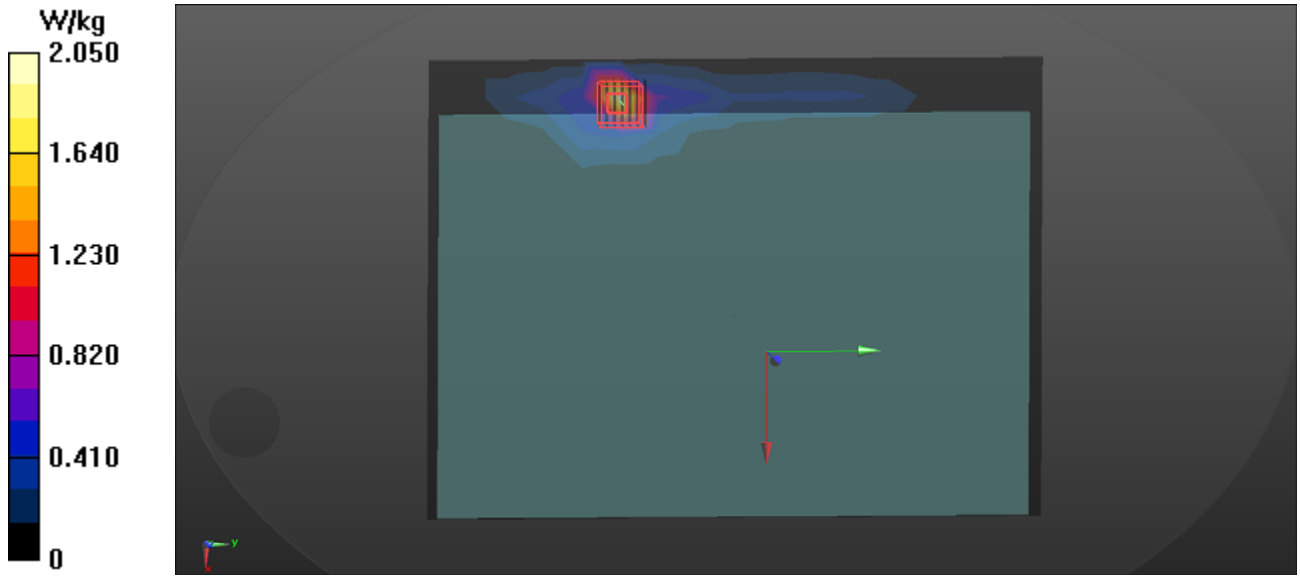
Communication System: UID 0, WiFi (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.208 S/m; ε_r = 46.303; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4, 4, 4); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (26x34x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.05 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 4.57 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.321 W/kg
Maximum value of SAR (measured) = 2.28 W/kg



Test Laboratory: BTL Inc. Date: 6/1/2017

T43 802.11n_HT20_Ch149_Bottom_0cm_Ant 0+1

DUT: Notebook;

Communication System: UID 0, WiFi (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 6.109 S/m; ε_r = 46.509; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7369; ConvF(4, 4, 4); Calibrated: 8/31/2016;
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = -9.0, 21.0
- Electronics: DAE4 Sn1486; Calibrated: 8/23/2016
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1240
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (10x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.33 W/kg

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.127 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.302 W/kg
Maximum value of SAR (measured) = 1.63 W/kg